

US-PAT-NO: 5655029

TITLE: Device and method for facilitating inspection of a specimen

DATE-ISSUED: August 5, 1997

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Neuromedical Systems, Inc.	Suffern	NY			02

DATE FILED: October 30, 1996

ABSTRACT:

A device for the visual inspection of a specimen, comprising a first microscope for obtaining a magnified view of different areas of a specimen, a display monitor for displaying images of at least a subset of the different areas of the specimen, selection means for enabling the selection of a image displayed on the monitor, a second microscope for review of an area of the specimen corresponding to the selected image, a motorized stage for positioning said specimen with respect to the field of view of the second microscope, and a processor for determining the image selected and instructing the motorized stage to position the specimen so that the area of the specimen corresponding to the selected image is in the field of view of the second microscope.

DETAILED DESCRIPTION:

Recalling that there are a number of discrete images on the display, preferably an 8.times.8 matrix 30 of sixty-four tiles 32, with the suspect cell 34 pre-centered in each image, the cytotechnician must devote at least a substantial amount of attention to the suspect cell in order to correctly center the cursor 36 in each tile in order to move to the next screen or specimen slide. Only after the cursor 36 has been approximately centered on each image 34 on the screen 30 for a sufficient period of time will the general processor 16 allow the next set of images 30 to be displayed on the monitor 14. The display of the next set of images 30 may be automatic or may be the result of the cytotechnician manipulating the cursor 36 to a set location on the screen and clicking the mouse 18 or through a certain sequence of keystrokes.

US-PAT-NO: 6728419

TITLE: Multi-tasking multi-threaded image processing system and method for image capture devices

DATE-ISSUED: April 27, 2004

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Xerox Corporation	Stamford	CT			02

DATE FILED: February 17, 2000

ABSTRACT:

A method and apparatus for multi-threaded, multitasking processing of image data includes inputting a plurality of image data portions representing one or more images to be processed and putting the first portion of the image data in a memory storage portion. The memory storage portions may be called queues, stacks, address spaces, registers, files, arrays and buffers. While receiving a second portion of the image data, a first portion of the image data is analyzed for the need to be modified by one or more processing methods. Then the image data is modified as necessary by the one or more processing methods while possibly receiving additional image data, and analyzing the second portion of the image data for the need to be modified by the one or more processing methods.

36/9/16 (Item 16 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0010322408 *Drawing available*
WPI Acc no: 2000-636926/200061
XRPX Acc No: N2000-472224

Item information obtaining method in client computer system, involves allocating resources to collectively pre fetch and store second item for future access by user, based on current download progress of first item

Patent Assignee: MICROSOFT CORP (MICT)
Inventor: HORVITZ E

Patent Family (1 patents, 1 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6067565	A	20000523	US 19987894	A	19980115	200061	B

Priority Applications (no., kind, date): US 19987894 A 19980115

Claim:

1. In a client computer system that, in response to user interaction with the system, requests items of information, as desired by a user, from a server, a method of obtaining the items of information comprising the steps of:
 - o (a) downloading, in response to a request from the user, a first item of information from the server so as to define a current download and rendering portions of the first item of information as it is being downloaded; and
 - o (b) while the current download progresses:
 - o determining, in response to a predefined aspect of the first item and a predefined user model, at least one second item of information which the user is likely to request next from the server;
 - o ascertaining incremental benefit to the user of continuing the current download and expected incremental benefit to the user of the second item of information; and
 - o in the event the expected incremental benefit of the second item exceeds the incremental benefit of continuing the current download, deallocating computational or network resources from continuing the current download and allocating the resources towards collectively prefetching and storing the second item of information so as to then obtain the second item for future access in the event the user subsequently requests the second item.

43/9/10 (Item 10 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0013647611 *Drawing available*
WPI Acc no: 2003-743574/200370
XRPX Acc No: N2003-595463

Virtual to physical address translation prefetching apparatus for computer, receives fetched and prefetched address translations for current and next group of scanlines of image data concurrently

Patent Assignee: INTEL CORP (ITLC)
Inventor: SADOWSKY J B; SREENIVAS A

Patent Family (1 patents, 1 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6628294	B1	20030930	US 1999476983	A	19991231	200370	B

Priority Applications (no., kind, date): US 1999476983 A 19991231

Original Abstract:

An embodiment of the invention is directed to a method including fetching address translations for a current group of scanlines of image data and prefetching address translations for a next group of scanlines of image data. The prefetching occurs while the current group of scanlines of image data is being rendered on a display. The current group of scanlines and the next group of scanlines may be the same size such that determining address translations for the next group of scanlines terminates at or before the time the current group of scanlines have been rendered on the display. A translation look aside buffer (TLB) controller may be used to implement the method. In a particular embodiment of the invention, a first buffer and a second buffer are used such that when one stores address translations for the current group of scanlines of image data, the other stores address translations for the next group of scanlines of image data.